Serial No.: 10/647,889

Submission Dated March 8, 2005

Reply to Office action of December 8, 2004.

122897-1

Amendments to the Specification

Kindly replace paragraphs [0008] and [0047] with the following replacement paragraphs.

[0008] In one embodiment the invention is a method for preparing an aromatic polyether polymer which comprises contacting, in a solvent of low polarity, substantially equimolar amounts of at least one alkali metal salt of a dihydroxy-substituted aromatic hydrocarbon and at least one bis((N-(chlorophthalimido))-aromatic compound, in the presence of a phase transfer catalyst which is substantially stable at the temperatures employed; said method further comprising at least one of the following embodiments:

- (A) employing substantially dry solvent, alkali metal salt and bis(N-(chlorophthalimido))aromatic compound such that the reaction mixture comprising the same contains at most about 20 ppm by weight of water;
- (B) starting the reaction by addition of phase transfer catalyst wherein the polymer solids level in said solvent is at a value of at least about 15% and then concentrating the mixture during reaction until the said value is in the range of between about 25% polymer solids level and about 60% polymer solids level;
- (C) maintaining the combined level of said alkali metal salt and bis(N-(chlorophthalimido))aromatic compound in said solvent at a value in the range of between about 25% polymer solids level and about 60% polymer solids level:
- (D) beginning said contact using a molar excess of said bis(N-(chlorophthalimido))aromatic compound up to about 5% and subsequently adding alkali metal salt at least once to afford a polyether polymer of a desired molecular weight;
- (E) employing alkali metal salt having less than about 25% of particles with a diameter of greater than about 200 [nm]microns; and
- (F) employing at least one of

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(1) an alkali metal salt which is stoichiometrically pure or contains at most about 0.3 mole % of free dihydroxy-substituted aromatic hydrocarbon or of free sodium hydroxide, and

(2) a bis(N-(chlorophthalimido))aromatic compound which is stoichiometrically pure or contains excess anhydride groups in a proportion up to 0.5 mole %, contains phthalides in a proportion no greater than about 1000 ppm, and contains chlorobenzoic acids in a proportion no greater than about 0.15 mole %.

[0047] In embodiment E, the presence of particles of a diameter greater than about 200 microns is avoided, causing a substantial increase in molecular weight over time. The percentage of particles with diameter greater than about 200 [nm]microns is in one embodiment less than about 30%, in another embodiment less than about 25%, and in still another embodiment less than about 20% of the total particles. In other embodiments the percentage of particles with diameter greater than about 500 [nm]microns is in one embodiment less than about 5%, in another embodiment less than about 2%, and in still another embodiment less than about 1% of the total particles. In a particular embodiment the percentage of particles with diameter greater than about 200 [nm]microns is less than about 25%, and the percentage of particles with diameter greater than about 500 [nm]microns is less than about 1%. In one embodiment the desired particle size range may be achieved by using commercially available grinders or their artrecognized equivalents, either during or after preparation of the alkali metal salt, to reduce particle size in the salt as required.